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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Sheet 1

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Application Number	10/529,012
Filing Date	March 24, 2005
First Named Inventor	T. Chen
Art Unit	1653
Examiner Name	Shawn Hamidinia
Attorney Docket Number	7512.130

## U. S. PATENT DOCUMENTS

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**FOREIGN PATENT DOCUMENTS**

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
RAW		WO 00/11038	03-02-2000	Kumar		
I		JP-A-9 239 396				✓
RAW		WO/2004/018741	03-04-2004	Yi		

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**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
RAW		Sun et al., Tyrosinase-Containing Chitosan Gels: A Combined Catalyst and Sorbent for Selective Phenol Removal. Biotechnology and Bioengineering, Vol. 51, pp. 79-86 (1996)	
RAW		Tatsumi, K. et al., Removal of Phenols from Wastewater by an Enzyme and Chitosan, Advances in Chitin Sciences, Vol. 2, pp. 864-869 (1997)	
		<del>Muzzarelli, et al., Tyrosinase mediated quinone tanning of chitinous materials, Carbohydrate Polymers, Vol. 24, pp. 205-300 (1994)</del>	
RAW		Wada et al., "Removal of Phenols and Aromatic Amines from Wastewater by a Combination ... a Coagulant," Biotechnology & Bioengineering, Vol. 45, pp. 304-309 (1995)	
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RAW		Seong, et al., "Fabrication of Microchambers Defined by Photopolymerized Hydrogels and Weirs...", Analytical Chemistry, Vol. 74, No. 14, pp. 3372-3377 (2002)	
RAW		Gao, et al., "Lateral Patterning of CdTe Nanocrystal Films by the Electric Field Directed Layer-by-Layer Assembly Method," Langmuir, Vol. 18, pp. 4098-4102 (2002)	
		<del>Chen et al., "pH Sensitive Thin Hydrogel Microfabricated by Photolithography", Langmuir, Vol. 14, pp. 6616-6612 (1998)</del>	
		<del>Beebe, et al., "Functional Hydrogel Structures for Autonomous Flow Control Inside Microfluidic Channels," Nature, Vol. 404, pp. 588-590 (2000)</del>	
RAW		Sirkar et al., "Amperometric Biosensors Based on Oxidoreductases Immobilized in Photopolymerized ..." Analytic Chemistry, Vol. 70, No. 14, pp. 2888-2894 (1998)	

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RAW		Li-Qun Wu, et al., "Chitosan-Mediated and Spatially Selective Electrodeposition of Nanoscale Particles," Langmuir, Vol. 21, No. 8, pp. 3641-3646, 2005	
RAW		Li-Qun Wu, et al., Spatially Selective Deposition of a Reactive Polysaccharide Chitosan Layer onto a Patterned Template," Langmuir, Vol 19, No. 3, pp. 519-524 (2003)	
RAW		Li-Qun Wu, et al., "Voltage-Dependent Assembly of the Polysaccharide Chitosan onto an Electrode Surface," Langmuir, Vol. 18, No. 22, pp. 8620-8625 (2002)	
RAW		Tianhong Chen, et al., "Enzymatic Methods for in Situ Cell Entrapment and Cell Release," Biomacromolecules, Vol. 4, No. 6, pp. 1558-1563 (2003)	
RAW		Mark J. Kastantin, et al., "Integrated Fabrication of Polymeric Devices for Biological Applications," Invited Paper, Journal of Sensors and Materials, pp. 1-18 (9/2003)	
RAW		Tianhong Chen, et al., "Nature-Inspired Creation of Protein-Polysaccharide Conjugate and Its Subsequent ...Patterned Surface," Langmuir, Vol. 19, No. 22, pp. 9382-86 (2003)	
RAW		Rohan Fernandes, et al., "Electrochemical Induced Deposition of a Polysaccharide Hydrogel onto a Patterned Surface," Langmuir, Vol. 19, No. 10, pp. 4058-62 (2003)	
RAW		Hyunmin, Yi, et al., "A Robust Technique for Assembly of Nucleic Acid Hybridization .. Chitosan", Analytical Chemistry, Vol. 76, No. 2, pp. 365-372 (1/15/2004)	
RAW		Rohan Fernandes, et al., "Thermo-Biolithography: A Technique for Patterning Nucleic Acids and Proteins," Langmuir, Vol. 20, No. 3, pp. 906-913 (2004)	
RAW		Li-Qun Wu, et al. "Spatially-Selective Assembly of a Reactive Polysaccharide Layer onto Patterned Surfaces," PowerPoint Presentation given 11/8/2002 (22 slides)	

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RAW		O'Connor, et al., "Immobilization of Neural Cells in Three-Dimensional Matrices for Biosensor Applications," Biosensors & Bioelectronics, Vol. 14, pp. 871-881 (2000)	
RAW		Zhitomirsky, et al., "Cathodic Electrodeposition of Polymer Films and Organoceramic Films," Materials Science and Engineering, Vol. B78, pp. 125-130 (2000)	
RAW		Chen, et al., "Self-Assembly of Monolayers of Cadmium Selenide Nanocrystals with Dual Color Emission," Langmuir, Vol. 15, pp. 6845-6850 (1999)	
RAW		Clark, "Engineering the Microfabrication of Layer-by-Layer Thin Films," Advanced Materials (1998)	

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